ABSTRACT

A spacer for delivering a medication spray from ~~a metered dose~~ an inhaler includes a first conical body joined to a second conical body, forming a continuous spray conduit through first and second internal chambers of the respective first and second conical bodies. A mouthpiece is formed in the ~~small diameter (proximal)~~ end of the first conical body. A spray inlet for attachment to ~~an MDI or similar device~~ the inhaler is formed at the ~~large diameter (distal)~~ end of the second conical body. A plurality of air inlets are placed downstream of the medication inlet proximate to, or in, the large diameter distal end surface of the first conical body. ~~During use, high pressure r~~Recirculation zones are created in the first and second chambers, ~~near the spray inlet and the air inlets, and an air jacket is created along the inner surface of the wall of the first conical body~~ to force the medication spray into a central airflow path through the spray conduit, minimizing particle deposition by contract with the walls of the spacer. ~~This forces the medication spray through the spacer into a defined, central airflow path through the spray conduit, minimizing particle deposition by contract with the walls of the spacer.~~

The Commissioner is authorized to charge any deficiency or credit any overpayment associated with the filing of this Response to Deposit Account 23-0035.

Respectfully submitted,

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CERTIFICATE OF TRANSMISSION

I hereby certify that this Response is being facsimile transmitted to the United States Patent and Trademark Office, Fax No. (571) 273-8300 on September 9, 2005.

Mark J. Patterson

Signature
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9/9/2005

Date